| Index | of Claims |
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| Application No. | Applicant(s) |            |
|-----------------|--------------|------------|
| 10/621,391      | CHANG ET AL. |            |
| Examiner        | Art Unit     | ********** |
| Harold Joyce    | 3749         |            |

| , | Rejected | - | (Through numeral)<br>Cancelled |
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| Cla    | im       |                   |           |    |              |                                                  |        |        | : : : :   | CI       | aim Date  |               |          |          |                                                  |          |          |        | $\neg$   |              | CI                                               | aim      | Date         |               |          |          |          |         |          |          |          |          |          |           |
|--------|----------|-------------------|-----------|----|--------------|--------------------------------------------------|--------|--------|-----------|----------|-----------|---------------|----------|----------|--------------------------------------------------|----------|----------|--------|----------|--------------|--------------------------------------------------|----------|--------------|---------------|----------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|
|        | <u>a</u> | D                 | 13,       | Į¯ |              |                                                  | Τ      | T      | T         |          |           |               |          |          | П                                                |          | T        |        | Т        |              |                                                  |          |              |               | T        | Т        | Т        | T       | Ť        | ij       | $\neg$   | T        | $\neg$   | $\Box$    |
| Final  | Original | يكا               | 18        |    |              |                                                  |        | - [    | -         |          |           |               | Finai    | Original | 1                                                |          |          | ł      |          |              |                                                  |          |              | a             | Original |          |          |         | ı        |          |          |          | -        |           |
| Œ      | ž        | سرا               | 7         | 1  |              | İ                                                |        |        | ı         |          |           |               | ı.       | Ę,       | İ                                                |          | i        | -      |          |              |                                                  |          |              | Final         | Ē        |          | - 1      |         |          |          | - 1      |          |          |           |
|        | •        | 0                 | W.        | Ł  |              |                                                  |        |        |           |          |           |               |          | 0        |                                                  |          |          |        |          |              | 1 1                                              |          |              |               | 0        |          | - 1      |         |          |          |          |          | J        |           |
|        | 1        | بنا               | V         |    | T            | Τ                                                |        | П      | П         |          |           |               |          | 51       | 1                                                |          |          | $\top$ | $\top$   | $\top$       |                                                  |          |              |               | 101      | $\Box$   | 7        | 7       | -        | _        | _        | -1       | 寸        | -         |
|        | 2        | 1                 | U         |    |              |                                                  | Т      | Т      | Т         |          |           |               |          | 52       | T                                                | П        |          |        | ┪        | Т            | 1-1                                              | _        |              |               | 102      | $\Box$   | 7        | ┪       | $\dashv$ | T        |          | -        | ᅥ        | $\exists$ |
|        | 3        |                   | U         |    | Т            | Τ                                                |        | Т      | $\neg$    | П        |           |               |          | 53       | Т                                                |          |          | $\top$ | T        | 1            | $\top$                                           | $\neg$   |              |               | 103      |          | 7        | 7       | $\dashv$ | 7        | $\neg$   | _        | -        |           |
|        | 4        | П                 | C         | ₹  |              | Т                                                |        | Т      | $\neg$    |          |           |               |          | 54       |                                                  |          |          | $\top$ | _        |              | $\vdash$                                         |          |              |               | 104      | $\neg$   | T        | 寸       |          |          | $\dashv$ | _        | 7        | $\neg$    |
|        | 5        | П                 | U         | 1  | 1            |                                                  | $\top$ | $\top$ | 7         | $\neg$   |           |               |          | 55       | T                                                |          | $\dashv$ | 7      | +        | 1            | $\top$                                           | $\neg$   |              |               | 105      |          | 十        | ┪       | -+       | 7        | $\neg$   | 7        | ┪        | $\dashv$  |
|        | 6        | П                 | L         | 7  | $\top$       | T                                                | $\neg$ | $\top$ | T         |          |           |               |          | 56       |                                                  | П        | $\neg$   | +      | $\top$   | 1            |                                                  |          |              |               | 106      | -        | -        | 寸       | _        | $\dashv$ | -        | 7        | 十        | $\dashv$  |
|        | 7        | П                 | C         | Г  | Т            | T                                                | 1      | 1      |           | $\neg$   |           |               |          | 57       |                                                  |          | $\neg$   | T      |          | _            |                                                  |          |              |               | 107      | _        | 7        | 7       | $\dashv$ | 寸        | $\dashv$ | 7        | 十        | ᅥ         |
|        | 8        |                   | U         | Г  | Τ            | Т                                                | $\top$ | T      | П         |          |           |               |          | 58       |                                                  |          |          | $\neg$ | T        | <del> </del> | 17                                               |          |              |               | 108      | $\neg$   | $\dashv$ | T       | 寸        | _        | 7        | -        | 十        | ᅱ         |
|        | 9        | П                 | 0         | Γ  | 1            | 1                                                |        |        |           | $\neg$   |           |               |          | 59       | $\vdash$                                         | П        | ╅        | $\top$ | _        |              | +-1                                              | $\neg$   |              |               | 109      | $\dashv$ | $\dashv$ | -       | $\dashv$ | _        | 7        | -+       | $\dashv$ | ⊣         |
|        | 10       |                   | レ         | Г  | $\top$       | T                                                | $\top$ | $\top$ | $\dashv$  | 7        | _         |               |          | 60       | $\vdash$                                         |          | _        | $\top$ | +        | $\top$       | 1 1                                              | $\dashv$ |              |               | 110      | $\neg$   | _        |         | -        | -+       | $\neg$   | +        | -+       | $\dashv$  |
|        | 11       | 7                 | v         | Г  | $\top$       | T                                                | 7      | 1      | ヿ         | ┪        |           |               |          | 61       |                                                  |          | T        | $\top$ | +        |              | 1 1                                              | $\neg$   |              |               | 111      | -        | ╅        | +       | $\dashv$ | +        | $\dashv$ | ┪        | -+       | <u></u>   |
|        | 12       | 7                 | O         | _  | 1            | T                                                | $\top$ | $\top$ | 7         | -        | $\dashv$  |               |          | 62       | П                                                | H        | 十        | $\top$ | - -      | 1            | $\vdash$                                         | -        |              |               | 112      | +        | $\dashv$ | +       | -        | +        | +        | 十        | $\dashv$ | $\dashv$  |
|        | 13       | T                 | 0         |    | Τ            | T                                                | 7      | †      | す         | $\dashv$ | ᅥ         | #             |          | 63       |                                                  |          | $\dashv$ | $\top$ | $\top$   | +-           | H                                                | $\dashv$ |              |               | 113      | -        | -        | +       | $\dashv$ | $\dashv$ | 一        | -        | $\dashv$ | $\dashv$  |
|        | 14       | 1                 | 0         | Г  | 1            | †                                                | $\top$ | 7      | _         | _        | ᅦ         | -::           |          | 64       | П                                                | $\dashv$ | $\dashv$ | $\top$ | +        | +            | $\vdash$                                         | -        |              |               | 114      | +        | +        | +       | +        | +        | -        | 十        | -+       | $\dashv$  |
|        | 15       | Γ                 | Ō         |    | T            | T                                                | 7      | 1      | 7         | 十        | $\neg$    |               |          | 65       | П                                                | $\Box$   | $\dashv$ |        | +        | +            | 1 1                                              | ᅱ        |              |               | 115      | $\dashv$ | $\top$   | +       | $\dashv$ | 7        | -+       | +        | $\dashv$ | 一         |
| $\Box$ | 16       | 1                 | 0         |    | T            | T                                                | 1      | $\top$ | $\dagger$ | $\dashv$ | $\dashv$  |               |          | 66       | Н                                                | -        | +        |        | $\dashv$ | $\dagger$    |                                                  | $\dashv$ | ::1          |               | 116      | -        | +        | +       |          | +        | -+       | $\dashv$ | $\dashv$ | ᅱ         |
|        | 17       | _                 | シ         | ۴  | T            | T                                                | +      | +      | +         | +        | $\dashv$  |               |          | 67       | $\vdash$                                         | -        | $\dashv$ | +      | +        | $\top$       | $\vdash$                                         | -        | ÷            |               | 117      | -+       | -        | +       | +        | $\dashv$ | $\dashv$ | +        | +        | ᅱ         |
|        | 18)      | $\overline{}$     | ŀ         |    | t            | t                                                | +      | +      | $\dagger$ | 十        | $\exists$ | : ; ;         |          | 68       | $\vdash$                                         | -        | $\dashv$ | +      | $\top$   | +            |                                                  | -        | H            |               | 118      | 十        | +        | +       | +        | 十        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ         |
|        | पर्वे ।  | _                 | •         | _  | +-           | 十                                                | +      | +      | +         | -        |           |               |          | 69       | Н                                                | $\dashv$ | 十        | +      | +        | +            | +                                                | $\dashv$ | ::-          |               | 119      | -        | +        |         | +        | -        | -        | ╅        | $\dashv$ | $\dashv$  |
|        | 20       | Г                 | $\Box$    |    | 1            | $^{\dagger}$                                     | +      | +      | $^{+}$    | 十        | -         |               |          | 70       |                                                  | -        | $\dashv$ | ╅      | +        | +            |                                                  | -        |              |               | 120      | +        | ╁        | +       | +        | $\dashv$ | ┪        | $\dashv$ | +        | $\dashv$  |
|        | 21       | -                 | Н         |    | t            | t                                                | +      | ┿      | +         | $\dashv$ |           |               |          | 71       |                                                  | $\dashv$ | $\dashv$ | ┿      | +        |              | <del>  -  </del>                                 | -        |              |               | 121      | -        | +        |         | -        | +        | -        |          | +        | $\dashv$  |
|        | 22       | $\vdash$          | $\forall$ | _  | +            | t                                                | +      | +      | +         | -+       |           |               |          | 72       | ╁╌┤                                              | -        | +        | +      | +        | +            | $\vdash$                                         | -        | .::}         | _             | 122      | +        | +        | +       | +        | -+       | $\dashv$ | +        | ┰        | $\dashv$  |
|        | 23       | H                 | $\forall$ |    | +-           | ╁                                                | ╁      | +      | 十         | $\dashv$ | -         |               | -        | 73       | Н                                                | $\dashv$ | +        | +      | ╁        | +            | ╁┷┼                                              |          | 1            |               | 123      | +        | +        | +       | $\dashv$ | $\dashv$ | +        | +        | +        | $\dashv$  |
|        | 24       |                   | +         | _  | +-           | ╁                                                | +      | +      | +         | $\dashv$ | $\dashv$  |               |          | 74       | H                                                | -+       | +        | +      | ╈        | +            | $\vdash$                                         | -        |              |               | 124      | $\dashv$ | ╁        | +       | +        | -        | $\dashv$ | -        | +        | $\dashv$  |
|        | 25       | Н                 | +1        | _  | 1            | +                                                | +-     | ╁      | +         | ╅        | -         | }             |          | 75       | $\vdash$                                         | $\dashv$ | +        | +      | +-       | +-           | -                                                | - :      |              |               | 125      | $\dashv$ | +        | +       |          | +        | $\dashv$ | ╁        | +        | $\dashv$  |
|        | 26       | Н                 | +         |    | ╁╌           | +                                                | +      | +      | +         | +        | -         | : }           |          | 76       | Н                                                | $\dashv$ | +        | ╁      | ╁        | ╁┈           | H                                                | -        | -            |               | 126      | +        | +        | +       | $\dashv$ | -+       |          | -+       | +        | -         |
|        | 27       | Н                 | +         |    | ╆            | ╁                                                | +      | ╁      | ╅         | $\dashv$ | $\dashv$  | : }           | -        | 77       | -1                                               | -        | +        | ┿      | +-       | +            | <del>                                     </del> |          | }            |               | 127      | +        | +        | +       | +        | -+       | -        | +        | +        | $\dashv$  |
|        | 28       | Н                 | +         | -  | ╁            | ╁                                                | ╁      | ┿      | ┿         | -        | -1        |               |          | 78       |                                                  | -+       | +        | - -    | +        | ╁            | $\vdash$                                         | -        | }            |               | 128      | +        |          | +       | +        | +        | +        | +        | +        |           |
|        | 29       | Н                 | +         |    | ┢            | ╁                                                | +      | ╁╌     | +         |          | -1:       |               |          | 79       | $\vdash$                                         | $\dashv$ | $\pm$    | +      | ┿        | +            | ╁                                                | -        | - }-         |               | 129      | -        | +        | +       |          | ┰        | +        |          | +        | $\dashv$  |
|        | 30       | Н                 | H         |    | ┢            | ╁╴                                               | +-     | +-     | +         | -        | -1:       | : }           |          | 80       | $\vdash$                                         | +        | +        | ┰      | ╁        | +            |                                                  |          | -            |               | 130      | +        | +        | +       | +        | +        | +        | +        | +        | $\dashv$  |
|        | 31       | Н                 | Н         | _  | ⊢            | ┢                                                | ┿      | ╁      | +         | -+-      |           | ŀ             |          | 81       | $\vdash$                                         | +        |          | - -    | ╁        | ╁            | $\vdash$                                         | $\dashv$ |              |               | 131      | -        |          |         |          | +        | ᅪ        | +        | +        | $\dashv$  |
|        | 32       | H                 | ++        | _  | ┢┈           | $\vdash$                                         | +-     | ╁╴     | +         | -+       |           | }             |          | 82       | $\vdash \vdash$                                  | $\dashv$ | +        | +-     | +        | +-           | $\vdash$                                         | $\dashv$ | : }          |               | 132      | +        | +        | +       | +        | +        | +        | ┰        | +        | $\dashv$  |
|        | 33       | H                 | ++        |    | -            | ╁                                                | +      | ╁      | +         | +        | $\dashv$  | 1             | -        | 83       | H                                                | +        | +        | +      | +        | -            | ┝╌┼                                              | -        | ∷⊦           |               | 133      | +        | +        | ╁       | +        | +        | +        | +        | +        | $\dashv$  |
|        | 34       | ╁┤                | +1        | _  | -            | +-                                               | +      | ╁      | +         | +        | ╣         | 바             |          | 84       | ┝╾┼                                              | +        | +        | ╫      | +-       | +            | $\vdash$                                         | $\dashv$ | 나            |               | 134      | +        | ╀        | +       | +        | +        | +        | +        | +        | $\dashv$  |
|        | 35       | Ħ                 | +         |    | ┢            | 1-                                               | +      | +-     | +         | -        | $\dashv$  | 1             |          | 85       | -                                                | +        | $\dashv$ | +-     | - -      | ╁            | -                                                | -∤`      | -            |               | 135      | +        | - -      | +       | +        | +        |          | +        | +        |           |
|        | 36       | $\dagger \dagger$ | ++        | _  | -            | <del>                                     </del> | ╁      | +      | +-        |          | 4         | 1             |          | 86       |                                                  |          | +        | +      | +-       | +            | $\vdash$                                         | -        | ŀ            |               | 136      |          | +        | ╌       | +        | +        | +        | +        | +        | $\dashv$  |
|        | 37       | $\dagger \dagger$ | +         | _  | -            | 1                                                | ╁      | ╁      | +         | +        | ╣         | 나             |          | 87       | <del>                                     </del> | -        |          | +      | +-       | +-           | $\vdash$                                         | -        |              |               | 137      | +        | +-       | +       | +        | +        |          | -+       | ╬        | -         |
|        | 38       | H                 | H         | _  | <del> </del> | ╁                                                | +      | +-     | +         | +        | 4:        | ŀ             |          | 88       | $\vdash$                                         | +        | +        | +      | +        | +            | $\vdash$                                         | $\dashv$ | -            |               | 138      | +        | +        | +       |          | +        | +        | +        | +        | $\dashv$  |
|        |          | IJ                | ᆈ         | _  |              | t                                                | +      | †      | +         | -        | $\dashv$  | ::}           |          | 89       | $\dashv$                                         | +        | +-       | +-     | +        | +-           |                                                  | :        |              |               | 139      | +        | ╫        | +-      | +        | +        | +        | +        | +        | $\dashv$  |
|        | 40       | -                 | -         | -  | -            | -                                                | +-     | +      | +         | +        | ٦,        | 1             |          | 90       | $\dashv$                                         | $\dashv$ | +        | +      | +        | +-           |                                                  | 4:       |              |               | 140      | +        | +        | ╌       | +        | +        | -        | +        | +        | $\dashv$  |
|        | 41       | +                 | -+        |    | H            | -                                                | +-     | 1-     | +         | +        | - ;       | -             |          | 91       | -                                                | +        | +        | +-     | ╁        | +-           |                                                  | $\dashv$ | ::}          |               | 141      | +        | ┰        | +       | ┰        | +        | +        | ┿        | +        | $\dashv$  |
|        | 42       | ᅱ                 | $\dashv$  |    | $\vdash$     | ┝                                                | +      | ╁      | ╁         | +        | ٦.        | ŀ             | $\dashv$ | 92       | -                                                | -+       | +        | -      | +-       | +-           |                                                  |          | -            |               | 142      | - -      |          | - -     | +        | +        |          | +        | +        | $\dashv$  |
|        | 43       | $\dashv$          | -         | _  | -            | -                                                | +-     | +      | +         | +        | - :       | ╟             |          | 93       | $\dashv$                                         | +        | +        | +-     | +-       | ╂╾┥          |                                                  | -1:      | $\vdash$     |               | 143      | +        | +        | +       | +        | +        | +        | +        | +        | $\dashv$  |
|        | 44       | +                 |           |    | $\vdash$     | H                                                | +-     | +      | +         | +        | -         | :- <b> </b> - | $\dashv$ | 94       | $\dashv$                                         | +        |          | ╁      | ╁╌       | $\vdash$     | -+                                               | -        | -            |               | 144      |          | +-       | +       | +-       | +        |          | ╁        | +        | $\dashv$  |
| - +    | 45       | +                 | +         |    | -            | -                                                | ╁      | ╁      | ╁         | +        | ,         | . }           |          | 95       | -+                                               | -+       | +        | ╁      | +        | $\vdash$     | $\dashv$                                         | -        | ::} <b>-</b> | $\dashv$      |          |          | - -      | ╁       |          | +        |          | +        | +        | $\dashv$  |
|        | 46       | +                 | $\dashv$  | -  | -            | $\vdash$                                         | +      | ╁      | +         | +        | $\dashv$  | ŀ             |          | 96       | -                                                | +        | - -      | +-     | +-       | +            | -+                                               | -        |              |               | 145      | +        | +        | +       | +        | +        | +        |          | +        | $\dashv$  |
|        | 47       | -                 | $\dashv$  | -  | -            | -                                                | +      | +-     | +         | +        | - -       | 1             |          | 97       |                                                  | +        | ╁        | ╁      | +        | $\vdash$     | -                                                | -        |              | $\dashv$      | 146      | +        | +-       | +       | +-       | +        | +        | +        | +        | $\dashv$  |
|        | 48       | +                 | $\dashv$  | -  | -            | $\vdash$                                         | +      | +      | +         |          | -         | ŀ             |          | 98       | $\dashv$                                         | -        | +        | +      | ╁        | H            | $\dashv$                                         | - ::     | -            |               | 147      | +        | +        | +       | +        | - -      | +        |          | +        | $\dashv$  |
|        | 49       | +                 | +         | -  | -            | -                                                | ╁      | +      | ╁         | +-       | 4         | ŀ             |          |          | <del>-</del> -}                                  |          | +        | +-     | +-       | $\vdash$     | -                                                | -        | ∷⊦           |               | 148      |          | +-       | +       | +        | - -      | +        | 4        |          | -         |
|        | 50       | $\dashv$          | $\dashv$  |    | _            | H                                                | ╂      | ╀      | +         |          | 4:        | ŀ             |          | 99       |                                                  | +        |          | +-     | +-       | $\vdash$     |                                                  | -1::     | ŀ            | <b>—</b> ↓    | 149      | 4        | +        | +       | 4        | 4        | 4        | +        | +        | 4         |
|        | <u> </u> |                   |           |    | Ц.,          | L                                                | ┸      | _      | Т.        | ┸        | _];;      | ΞL            |          | 100      |                                                  | $\perp$  |          | 1_     |          |              |                                                  | :        | ٠·L          | $\overline{}$ | 150      | L_       | $\perp$  | $\perp$ |          |          | 上        |          | $\perp$  |           |